

Application Serial No: 10/077,708
In reply to Office Communication of 16 June 2004

Attorney Docket No. 83587

IN THE CLAIMS

7. (currently amended): A part, comprising:

a component made from a photo-curable polymer, said
component having opposing surfaces bordering an
interior of said part; [and]

a cured material filled between and bonded to said opposing
surfaces, said cured material adding a strengthening
property to said part; and

a plurality of spaced apart internal supports made from
said photo-curable polymer, said plurality of spaced
apart internal supports extending between said
opposing surfaces and separate from said cured
material.

8. (cancelled)

9. (previously presented) A part as in claim 7 wherein said
cured material comprises a mixture of an epichlorohydrin resin,
a catalyst and filler particles.

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10. (previously presented): A part as in claim 9 wherein said catalyst is selected from the group consisting of methylenedimethylene, hexahydrophthalic anhydride, dodecenylsuccinic anhydride, and polyamide.

11. (previously presented): A part as in claim 9 wherein said catalyst is methylenedimethylene mixed with said epichlorohydrin resin in a proportion of 80-90 weight percent of said epichlorohydrin resin.

12. (previously presented): A part as in claim 11 wherein said filler particles are glass fibers in the range of 1/32 to 1/64 of an inch in length.

13. (previously presented): A part as in claim 12 wherein said glass fibers are 50-60 weight percent of said epichlorohydrin resin.

14. (previously presented): A part as in claim 9, said mixture further comprising aluminum powder in a proportion up to 10 weight percent of said epichlorohydrin resin.

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15. (previously presented): A part as in claim 7 wherein said cured material comprises a mesh wetted with a catalyzed epichlorohydrin resin.

16. (previously presented): A part as in claim 15 wherein said catalyzed epichlorohydrin resin uses a catalyst selected from the group consisting of methylenedimethylene, hexahydrophthalic anhydride, dodecenylsuccinic anhydride, and polyamide.

17. (previously presented): A part as in claim 16 wherein said catalyst is methylenedimethylene mixed with a epichlorohydrin resin in a proportion of 80-90 weight percent of said epichlorohydrin resin.